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Patient preparation, imaging procedure and pitfalls in paediatric PET

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Children are not just small adults - they differ in their psychology, normal physiology, and pathophysiology, and various aspects should be considered when planning a PET scan for a child. PET in children is a growing area and the offset of the session is the practical use and implementation of PET and PET/CT in children in a hospital PET centre (3). Following topics will be discussed in the context of nuclear medicine departments implementing or starting to implement children PET and PET/CT scans; dealing with children (1,2,3), dosimetry (3), organisation within the department and with other departments, preparation of the child; as in the importance of informing the child and parents (1,2,3) and fasting procedure, the imaging procedure; as in resting, the tracer injection, positioning, sedation and bladder-emptying (3) and various aspects of pitfalls (3,4,5) in the interpretation of children PET and PET/CT scans including experiences with telemedicine (3).

References